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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/783,339	02/20/2004	Brian Smidt	10646.399US01 6914	
Merchant & Go	7590 05/17/2007 ould P.C.	EXAMINER		
P.O. Box 2903		PAHNG, JASON Y		
Minneapolis, M	IN 55402-0903		ART UNIT PAPER NUMBER	
		,	3725	
			MAIL DATE	DELIVERY MODE
			05/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)				
Office Action Cumment	10/783,339	SMIDT ET AL.				
Office Action Summary	Examiner	Art Unit				
TI MAIL NO BATE (1)	Jason Y. Pahng	3725				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ldress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this c D (35 U.S.C. § 133).				
Status						
 1) Responsive to communication(s) filed on <u>08 Mar</u> 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowant 	action is non-final.	osecution as to the	e merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) ☐ Claim(s) 12-17,28-35 and 37-46 is/are pending 4a) Of the above claim(s) 38-46 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 12-17,28-35 and 37 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	n from consideration.					
Application Papers						
9) The specification is objected to by the Examiner	•					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119			•			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔲 Interview Summary Paper No(s)/Mail Da	ate				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P	atent Application				

DETAILED ACTION

Election/Restrictions

Newly submitted claims 38-46 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: Note that claims 38-46 belong to a distinct combination group including a feed table.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 38-46 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 12, 13, 15-17, 28, 31-35, and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by Verhoef et al. (US 6,843,435).

With regard to claim 12, Verhoef discloses a grinding machine with substantially all of the claimed structure including:

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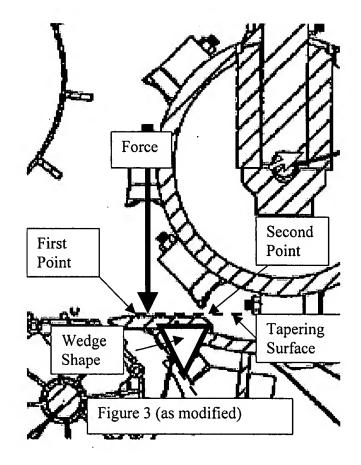
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a grinding drum (160) positioned within a mill box (154) having opposite sides
 (155);

- 2. the grinding drum (160) having an axis of rotation (axis of 171);
- 3. an anvil (182) having a cross-section, the cross-section including a wedgeshaped portion and a rectangular portion (Figure 3);
- the wedge-shaped (182) portion having a tapering surface extending from a first reference point (closest to 171) to a second reference point (farthest from 171);
- 5. the ends of the anvil (182) extending beyond (Figure 5a) the sides (155) of the mill box (154); and
- 6. the first and second reference points are horizontally aligned with one another.

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With regard to claims 13, 28, 34, and 37, Verhoef discloses an anvil (182) of solid construction (Figure 3) without weakening structure. The top tapering surface of the wedge portion is oriented perpendicular to vertical impact perpendicular forces generated by the grinding drum as shown above in Figure 3 (as modified). In fact, Verhoef's discloses generated force as shown in Applicant's Figure 3.

With regard to claims 15-17 and 31-33, Verhoef discloses a mounting arrangement including a first support surface configured to support an end of a feed table (112) and a second support surface configured to support the anvil (182) from the outside of the mill box (154). See Figure 1.

With regard to claim 35, Verhoef discloses that a portion of the distance between the first reference point (closest to 171) and the axis of rotation (171) defines a minimum clearance.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Verhoef et al. (US 6,843,435) in view of Zehr (US 2002/0056773). The claims call for clamp arms (60) to secure the ends of the anvil when positioned within the apertures (Figure 3). In a closely related art, Zehr discloses a grinding machine with clamp arms (60) in order to secure the ends of the anvil when positioned within the apertures so that the anvil may be removed. Therefore, it would have been obvious to one skilled in the art at the time the invention was made to provide Verhoef with clamp arms in order to secure the ends of the anvil when positioned within the apertures so that the anvil may be removed, as taught by Zehr.

Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Verhoef et al. (US 6,843,435) in view of Hadjinian et al. (US 5,881,959). The claim calls for a shape of the anvil to be such that a minimum clearance is defined between the rectangular portion and the drum. In a closely related art, Hadjinian discloses a grinding

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machine with a shape of the anvil to be such that a minimum clearance is defined between the rectangular portion (17) and the drum (18) in order to resist deflection (Figure 6). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to provide Verhoef with a shape of the anvil to be such that a minimum clearance is defined between the rectangular portion and the drum in order to resist deflection, as taught by Hadjinian.

Response to Arguments

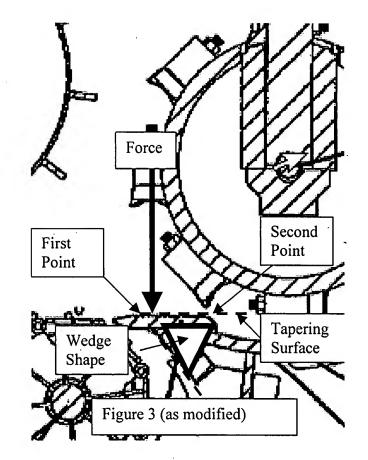
Applicant's arguments filed March 8, 2007 have been fully considered but they are not persuasive.

With regard to claims 12, 13, 15-17, 28, 31-35, and 37, Applicant argues that Verhoef does not disclose a horizontal tapering surface. This is not persuasive.

Verhoef discloses a horizontal tapering surface as shown below in a modified Figure 3.

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With regard to claims 12, 13, 15-17, 28, 31-35, and 37, Applicant also argues that Verhoef does not disclose an anvil including a wedge shaped portion. This is also not persuasive. Verhoef discloses an anvil including a wedge shaped portion as shown above in a modified Figure 3. Also, it is pointed out that Applicant does not disclose an exact wedge shaped portion. See Applicant's Figure 9. Applicant merely discloses a portion similar to a wedge-shaped portion.

With regard to claim 28, Verhoef's discloses a generated force as shown in Applicant's Figure 3.

With regard to claim 14, Applicant argues that Zehr does not disclose clamping arms. This is not persuasive. Zehr discloses a grinding machine with clamp arms (60)

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in order to secure the ends of the anvil when positioned within the apertures so that the anvil may be removed

Applicant does not present any new additional arguments regarding the rest of the claims.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Y. Pahng whose telephone number is 571 272 4522. The examiner can normally be reached on 9:30 AM - 8:00 PM, Monday-Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Banks H. Derris can be reached on 571 272 4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JYP

DERRIS H. BANKS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3700